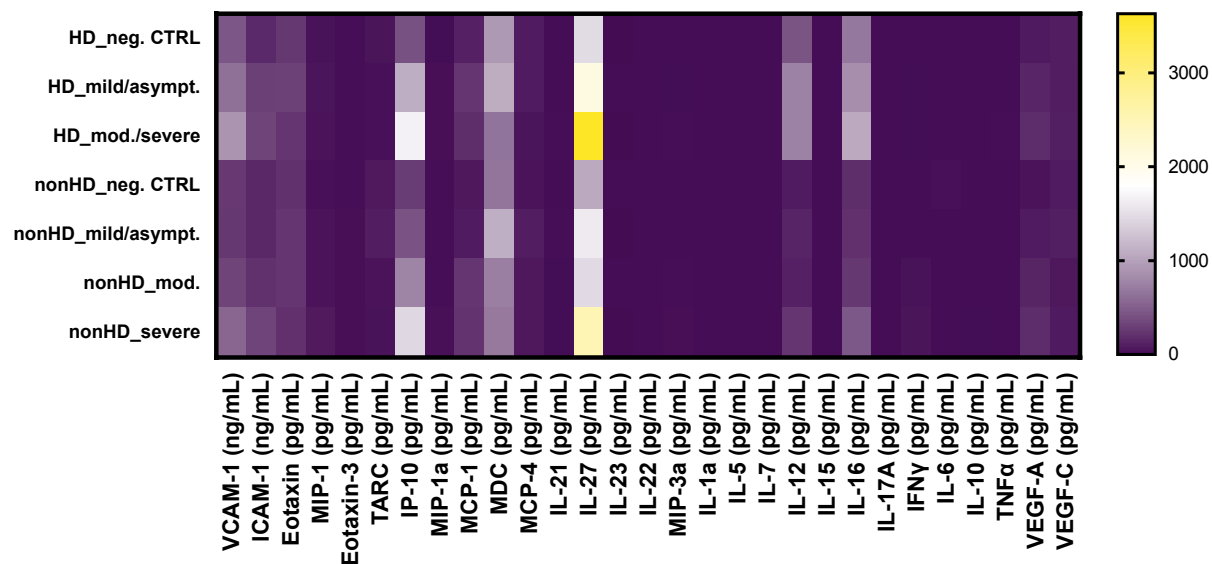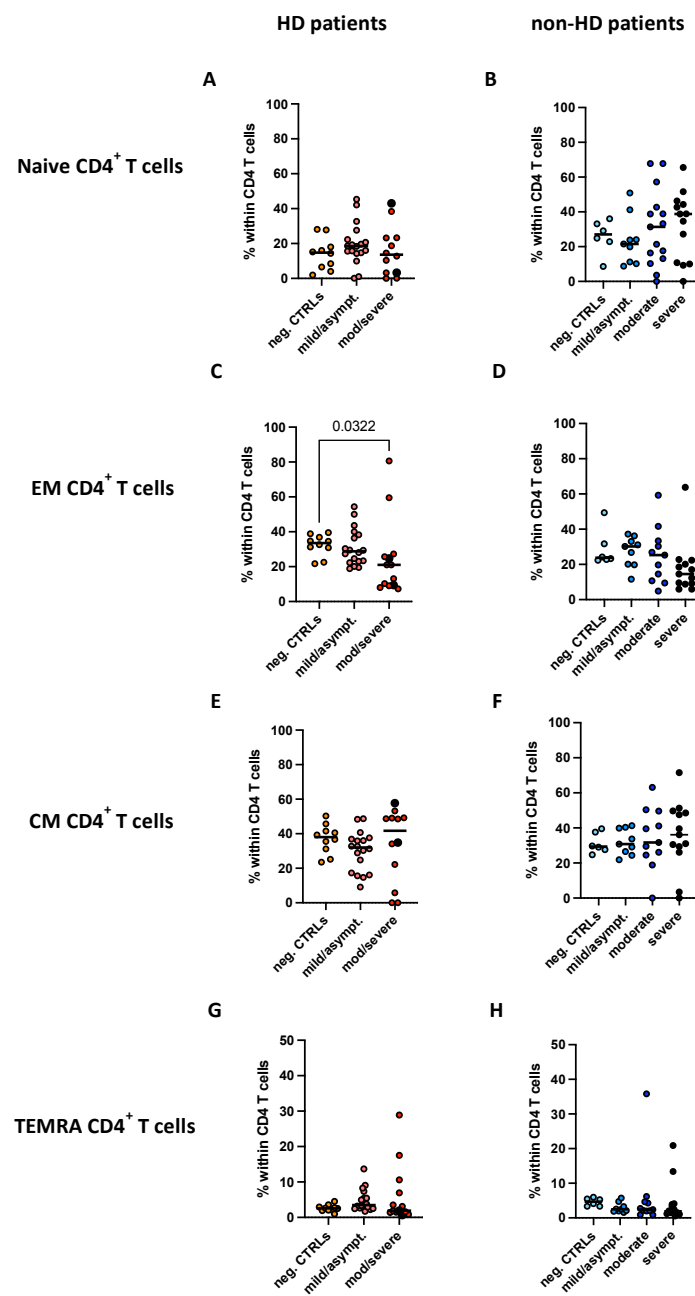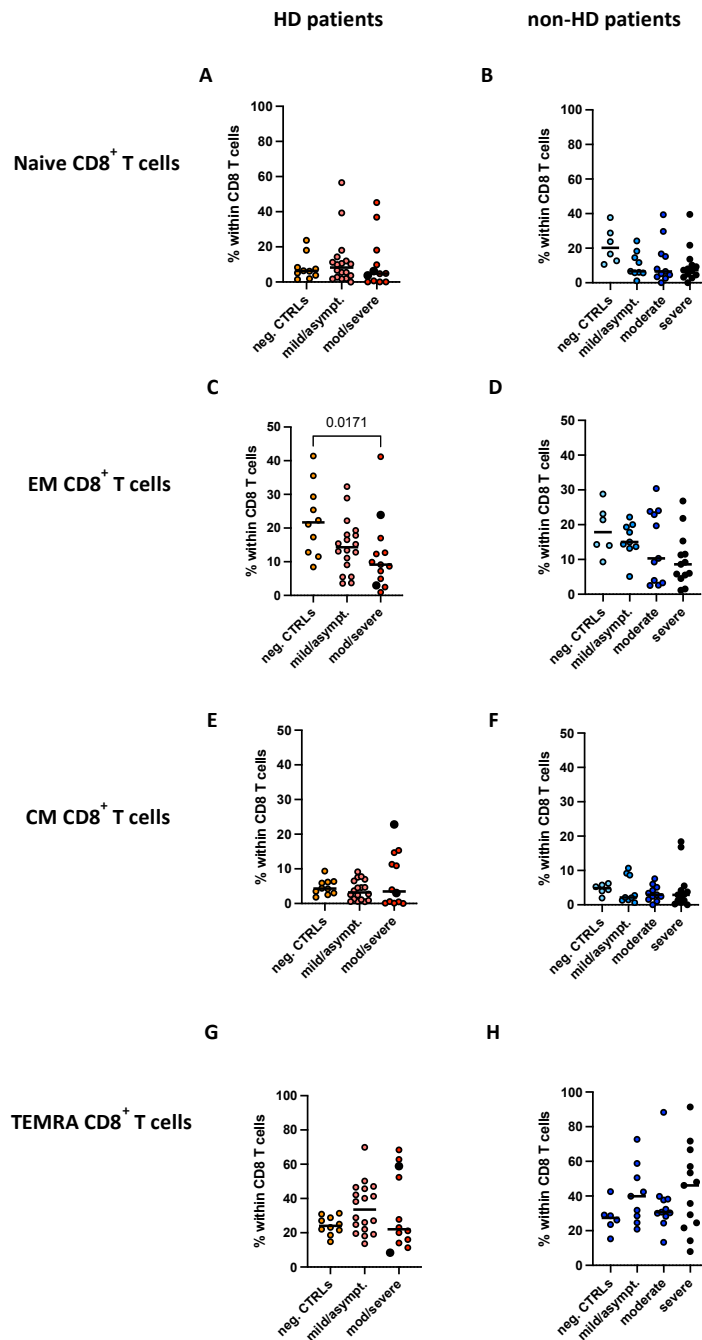SUPPLEMENTAL FIGURES

Supplemental figure 1. *Heat map of measured cytokines*. Cytokine plasma levels were measured HD- and non-HD patients without SARS-CoV-2 infection (HD: n=6; non-HD: 6), with mild/asymptomatic (HD: n=18; non-HD: n=9), moderate (non-HD: n=11) and severe COVID-19 disease (non-HD: n=13). Severe and moderate COVID-19 HD patients (n=13) were analyzed as one group. Data are shown as median of respective groups.

Supplemental figure 2. *CD4⁺ T cell subpopulations in peripheral blood.* Frequencies of (A,B) CD4⁺ naïve, (C,D) CD4⁺ effector memory, (E,F) CD4⁺ central memory, (G,H) CD4⁺ TEMRA T cells were measured in the peripheral blood of (A,C,E,G) HD- and (B,D,F,H) non-HD patients without SARS-CoV-2 infection (HD: n=10; non-HD: 6), with mild/asymptomatic (HD: n=18; non-HD: n=9), moderate (red circles, HD: n=11; blue circles, non-HD: n=11) and severe COVID-19 (black circles, HD: n=2; dark blue circles, non-HD: n=13) were included. Severe and moderate COVID-19 HD patients were analyzed as one group. Data are shown as individual values as well as median.

Supplemental figure 3. *CD8⁺ T cell subpopulations in peripheral blood.* Frequencies of (A,B) CD8⁺ naïve, (C,D) CD8⁺ effector memory, (E,F) CD8⁺ central memory, (G,H) CD8⁺ TEMRA T cells were measured in the peripheral blood of (A,C,E,G) HD- and (B,D,F,H) non-HD patients without SARS-CoV-2 infection (HD: n=10; non-HD: 6), with mild/asymptomatic (HD: n=18; non-HD: n=9), moderate (red circles, HD: n=11; blue circles, non-HD: n=11) and severe COVID-19 (black circles, HD: n=2; dark blue circles, non-HD: n=13) were included. Severe and moderate COVID-19 HD patients were analyzed as one group. Data are shown as individual values as well as median.

Supplemental figure 4. *B cell subpopulations in peripheral blood.* Frequencies of (A,B) unswitched, (C,D) transitional, (E,F) memory, (G,H) class-switched memory, (I,J) IgD-post switched memory B cells were measured in the peripheral blood of (A,C,E,G) HD- and (B,D,F,H) non-HD patients without SARS-CoV-2 infection (HD: n=10; non-HD: 6), with mild/asymptomatic (HD: n=18; non-HD: n=9), moderate (red circles, HD: n=11; blue circles, non-HD: n=11) and severe COVID-19 (black circles, HD: n=2; dark blue circles, non-HD: n=13) were included. Severe and moderate COVID-19 HD patients were analyzed as one group. Data are shown as individual values as well as median.